1/5

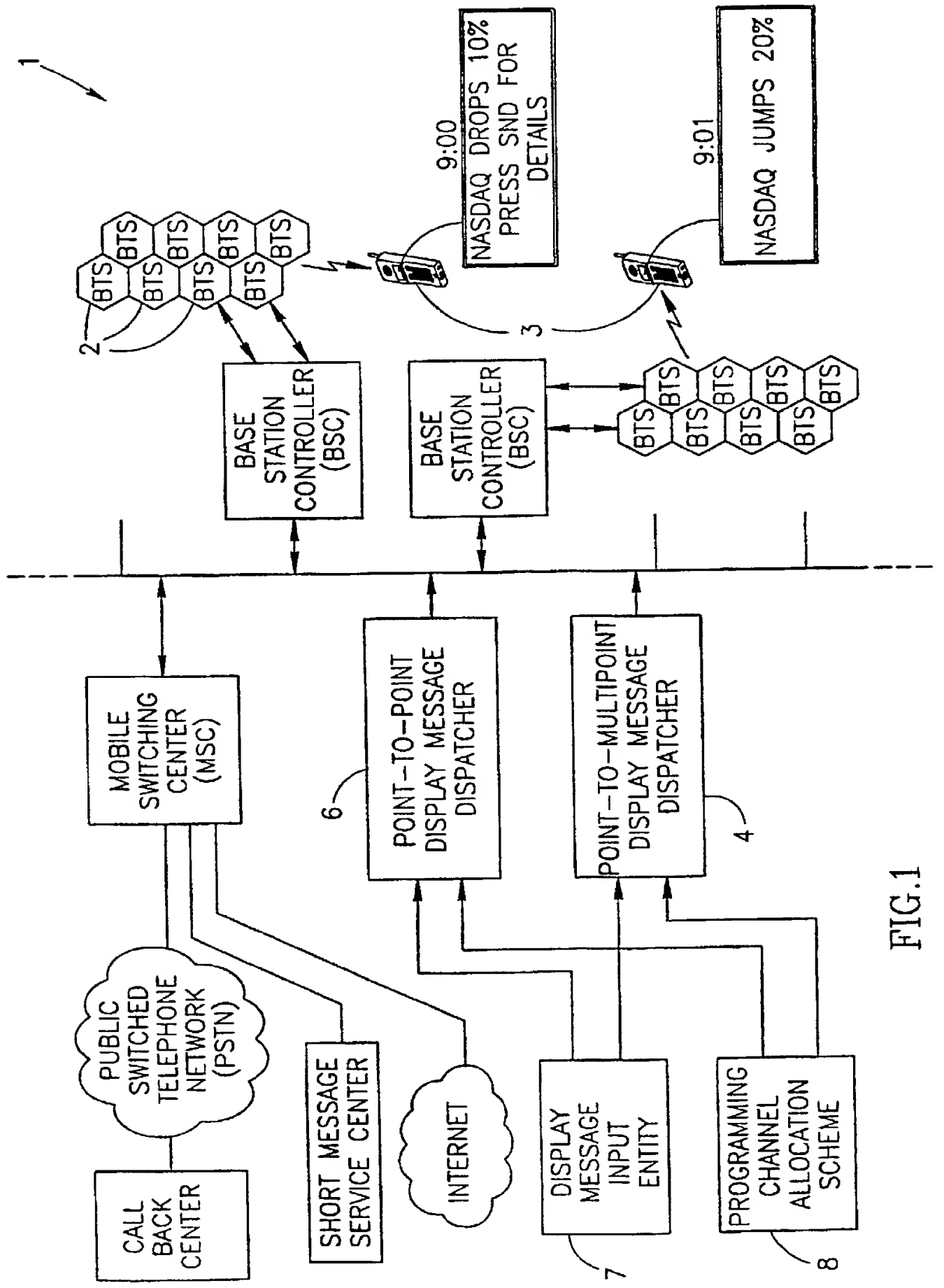
1
9:00
NASDAQ DROPS 10% PRESS SND FOR DETAILS
9:01
NASDAQ JUMPS 20%
BTS
2
3
BASE STATION CONTROLLER (BSC)
BASE STATION CONTROLLER (BSC)
MOBILE SWITCHING CENTER (MSC)
POINT-TO-POINT DISPLAY MESSAGE DISPATCHER
6
POINT-TO-MULTIPOINT DISPLAY MESSAGE DISPATCHER
4
PUBLIC SWITCHED TELEPHONE NETWORK (PSTN)
CALL BACK CENTER
SHORT MESSAGE SERVICE CENTER
INTERNET
DISPLAY MESSAGE INPUT ENTITY
7
PROGRAMMING CHANNEL ALLOCATION SCHEME
8

FIG.1

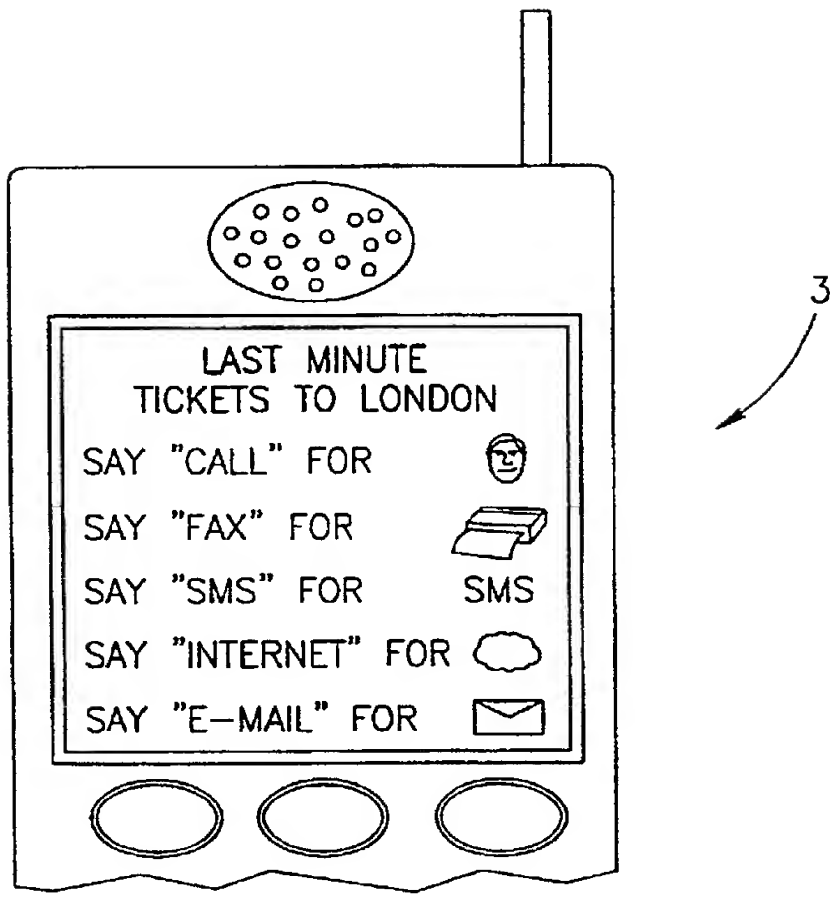

FIG.2

	NATIONAL	SCHOOLS	HIGHWAYS
08:00–08:15	NEWS	NEWS	NEWS
08:15–08:30	HOROSCOPE	ANTI–DRUG	TRAFFIC UPDATE
08:30–08:45	FINANCE	TOP 10	FINANCE
08:45–09:00	LOCAL	LOCAL	TRAFFIC UPDATE
09:00–09:15	NEWS	NEWS	NEWS

FIG.3

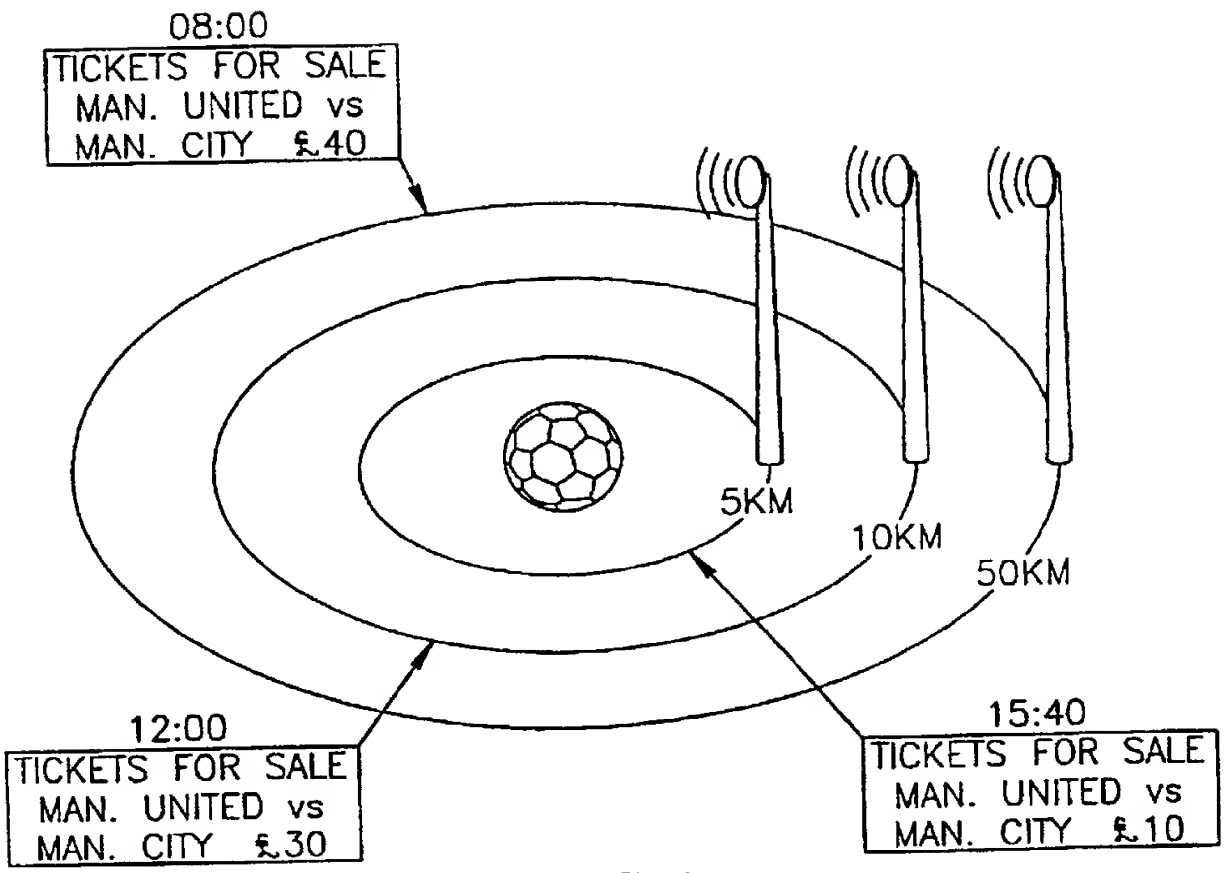
08:00
TICKETS FOR SALE
MAN. UNITED vs
MAN. CITY £40
5KM
10KM
50KM
12:00
TICKETS FOR SALE
MAN. UNITED vs
MAN. CITY £30
15:40
TICKETS FOR SALE
MAN. UNITED vs
MAN. CITY £10

FIG.4

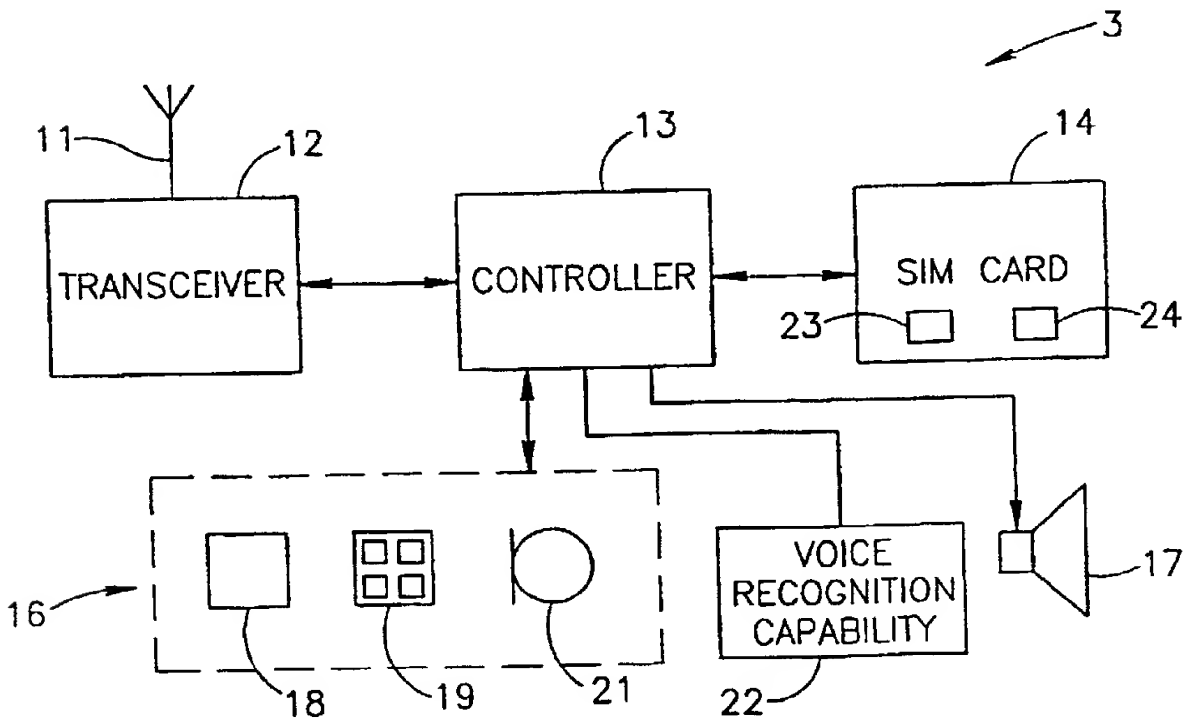
3
11
12
13
14
TRANSCEIVER
CONTROLLER
SIM CARD
23
24
16
18
19
21
VOICE
RECOGNITION
CAPABILITY
22
17

FIG.5

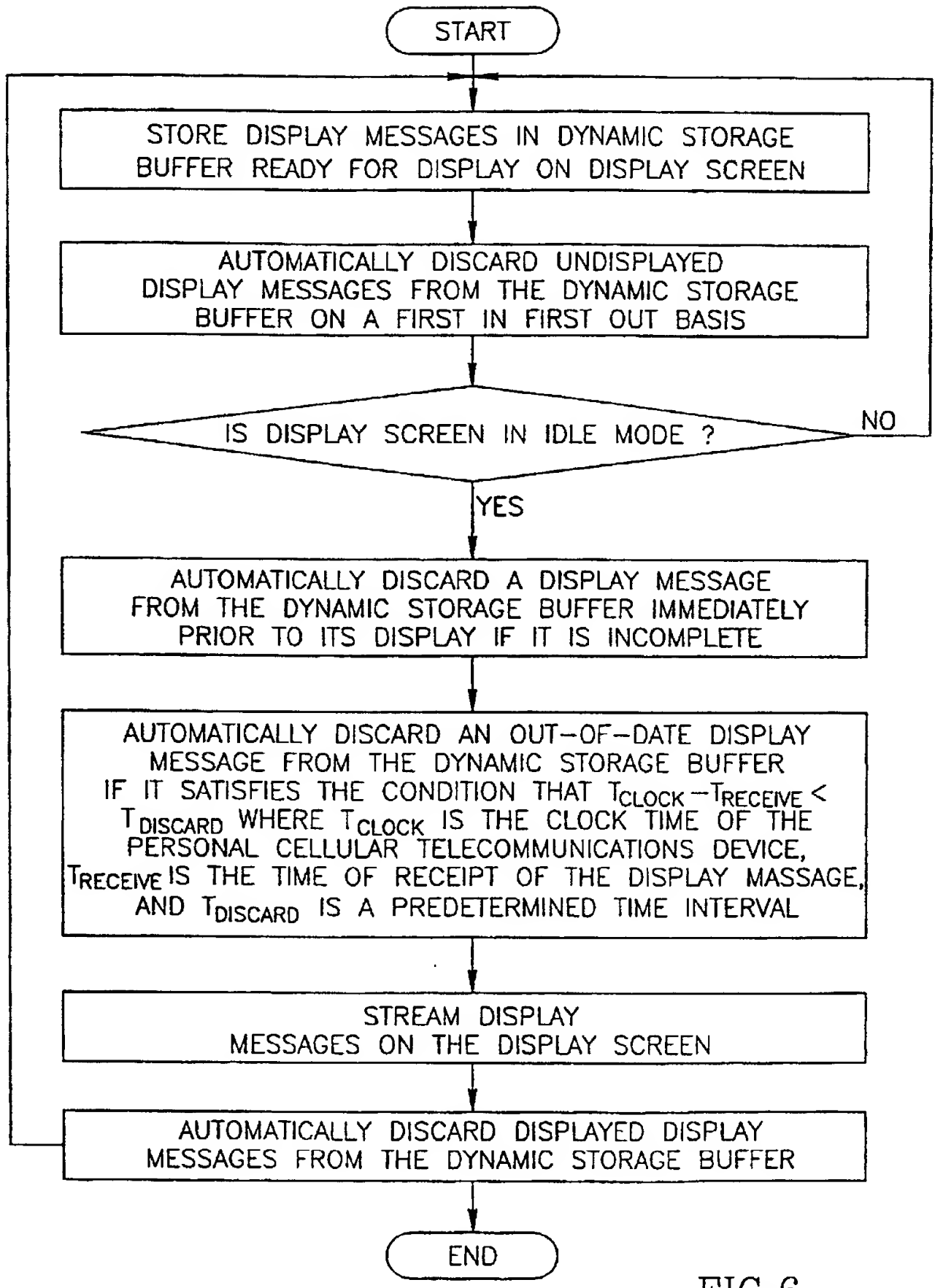
START
STORE DISPLAY MESSAGES IN DYNAMIC STORAGE BUFFER READY FOR DISPLAY ON DISPLAY SCREEN
AUTOMATICALLY DISCARD UNDISPLAYED DISPLAY MESSAGES FROM THE DYNAMIC STORAGE BUFFER ON A FIRST IN FIRST OUT BASIS
IS DISPLAY SCREEN IN IDLE MODE ?
NO
YES
AUTOMATICALLY DISCARD A DISPLAY MESSAGE FROM THE DYNAMIC STORAGE BUFFER IMMEDIATELY PRIOR TO ITS DISPLAY IF IT IS INCOMPLETE
AUTOMATICALLY DISCARD AN OUT-OF-DATE DISPLAY MESSAGE FROM THE DYNAMIC STORAGE BUFFER IF IT SATISFIES THE CONDITION THAT $T_{CLOCK} - T_{RECEIVE} < T_{DISCARD}$ WHERE T_{CLOCK} IS THE CLOCK TIME OF THE PERSONAL CELLULAR TELECOMMUNICATIONS DEVICE, $T_{RECEIVE}$ IS THE TIME OF RECEIPT OF THE DISPLAY MASSAGE, AND $T_{DISCARD}$ IS A PREDETERMINED TIME INTERVAL
STREAM DISPLAY MESSAGES ON THE DISPLAY SCREEN
AUTOMATICALLY DISCARD DISPLAYED DISPLAY MESSAGES FROM THE DYNAMIC STORAGE BUFFER
END

FIG.6

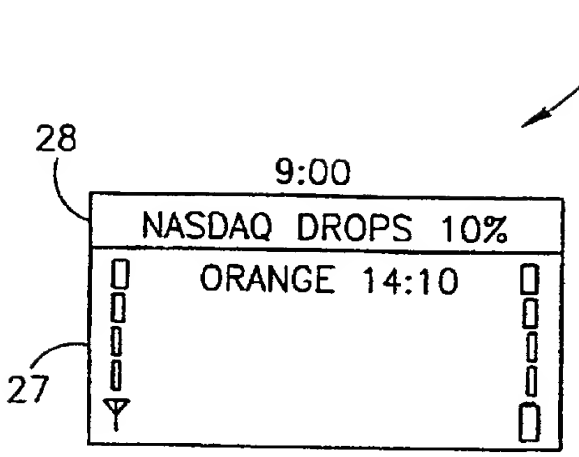

FIG.7A

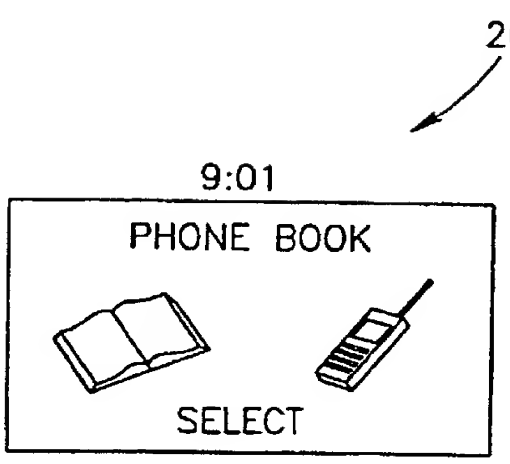

FIG.7B

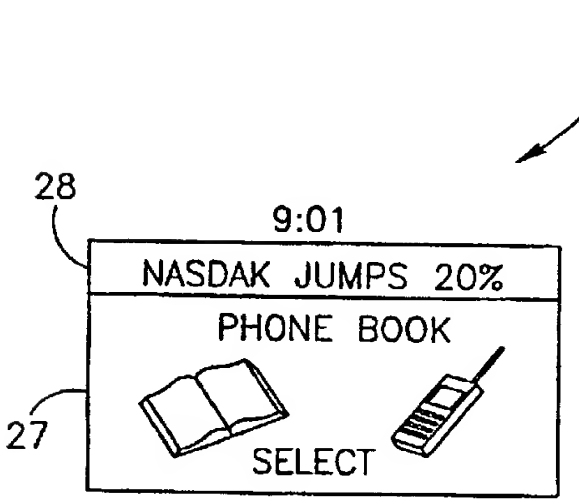

FIG.7C

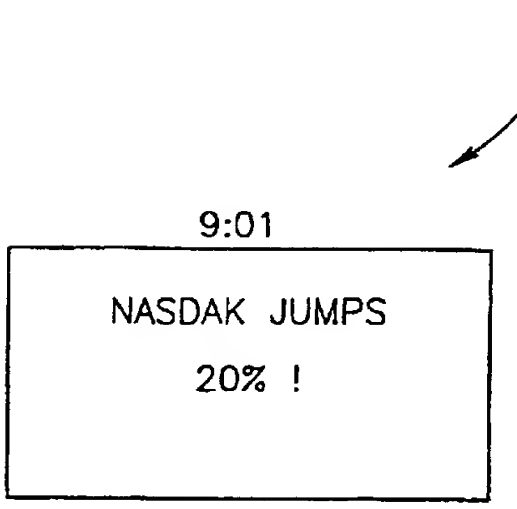

FIG.7D